

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: :  
Kanji OHYAMA : Confirmation No.: 1480  
Application No.: 10/584,082 : Group Art Unit: 1638  
Filed: May 15, 2007 : Examiner: Elizabeth F. McElwain  
For: *MARCHANTIALES-DERIVED* :  
*UNSATURATED FATTY ACID* :  
*SYNTHETASE GENES AND USE OF* :  
*THE SAME* :

**AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.111**

**Mail Stop: AMENDMENT**  
Commissioner for Patents  
U.S. Patent and Trademark Office  
P. O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In response to the NON-FINAL Office Action mailed June 29, 2010, the Office is respectfully requested to consider and enter the following amendments and remarks. The present response is timely filed on or before September 29, 2010.

**Amendments to the specification** begin on page 2.

**Amendments to the claims** begin on page 3.

**Remarks** begin on page 5.

A verified English translation of foreign priority application is attached.